

Anti-ANGPT2 monoclonal antibody, clone 96927 (DCABY-3932)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Angiopoietins, Ang-1, Ang-2, and Ang-3 (mouse)/Ang-4 (human), are natural agonists or antagonists of the Tie-2 receptor tyrosine kinase and are important modulators of angiogenesis. Two domains characterize the angiopoietin family of proteins: an N-terminal coiled-coil domain that mediates homo-oligomerization, and a C-terminal fibrinogen-like domain that binds Tie-2.
Specificity	Detects human Angiopoietin-2 in ELISAs. In ELISAs, this antibody shows no cross-reactivity or interference with recombinant human (rh) Ang-1, rhAng-4, rhAng-X, rmAng-3, rmANGPTL-3, rhTie-1, rhTie-2, and rmTie-2.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Angiopoietin-2. Asp68-Phe496 Accession Number O15123
Isotype	lgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	96927
Purification	Protein A or G purified from ascites
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair)
Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose.

45-1 Ramsey Road, Shirley, NY 11967, USA

© Creative Diagnostics All Rights Reserved

Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

GENE INFORMATION

Gene Name	ANGPT2 angiopoietin 2 [Homo sapiens (human)]
Official Symbol	ANGPT2
Synonyms	ANGPT2; angiopoietin 2; ANG2; AGPT2; angiopoietin-2; ANG-2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a;
Entrez Gene ID	285
Protein Refseq	<u>NP_001112359</u>
UniProt ID	<u>O15123</u>
Chromosome Location	8p23.1
Pathway	Angiopoietin receptor Tie2-mediated signaling; Cell surface interactions at the vascular wall; HIF-1 signaling pathway; Hemostasis; PI3K-Akt signaling pathway; Rap1 signaling pathway; Ras signaling pathway; Tie2 Signaling;
Function	metal ion binding; protein binding; receptor binding; receptor tyrosine kinase binding;